

Title (en)

PROCESS FOR THE PREPARATION OF CELLULAR OR COMPACT POLYURETHANE-POLYUREA MOULDINGS HAVING MODIFIED MOULD RELEASE PROPERTIES, AND INTERNAL MOULD RELEASE AGENTS FOR THE POLYISOCYANATE-POLYADDITION PROCESS

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Application

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Abstract (en)

[origin: US4581387A] The invention relates to a process for the preparation of cellular, microcellular, and noncellular polyurethane polyurea molded parts with improved demolding characteristics through the reaction injection molding technique wherein unique internal mold release agents are used which are esters and/or amides prepared by reacting a mixture of montanic acid and a carboxylic acid having ten or more carbon atoms with a polyol, alkanolamine, or polyamine.

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Cited by

EP0792917A1; EP0845492A1; EP0839162A4; EP0579080A3; EP0563918A1; EP0256362A3; EP0564453A4; EP2602023A1; DE102012222381A1; EP2559716A1; US9109077B2; US8642670B2; US10501596B2; WO2012065962A1; WO2018166870A1; WO2011070153A2; US10336877B2; WO2017162529A1; WO2022128825A1; US6169124B1; WO2013107717A1; WO2015062960A1; EP2602271A2; EP2639249A1; EP2226344A1; EP2275465A2; US9023908B2; EP2818489A1; WO2019092011A1; US11872728B2; US8465840B2; EP2952531A1; WO2017216251A1; US10597483B2; US8036616B2; US8148437B2; US9023910B2; WO2015189045A1; US10507621B2; WO2012065926A1; US9714332B2; US9894957B2; US10165823B2; EP3502154A1; WO2019121355A1; EP2390275A1; WO2011147724A1; EP2465657A1; WO2012080400A1; EP2476714A1; DE102012200272A1; WO2012098145A1; DE102009029286A1; EP1964866A2; WO2010105966A1; EP2395038A1; WO2011154406A1; US8431058B2; EP2746309A1; WO2014095438A1; US11066508B2

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